

Please replace the abstract at page 11, lines 1-10 with the following heading and abstract:

ABSTRACT OF THE DISCLOSURE

A method for dynamic allocation of transmission resources to a plurality of communications between a base station and a plurality of mobile terminals includes generating a pseudo-random sequence and performing an allocation. Each resource includes a plurality of possible values, and an allocation controller associated with the base station, referred to as the fast allocation controller, is able to allocate to the communications only certain combinations of possible values, referred to as available resources. The fast allocation controller generates a pseudo-random sequence and performs the allocation by selecting at least one available resource for each communication according to a value of the pseudo-random sequence.